

## Review of Utility Company Request for New Conduit/Pole Location

Applicant Information

Project Address

Utility Gas Electric Telephone

Utility Pole #4 Near 319 Market St

(circle one) Other

Lowell, MA

Reason Install Wireless Small Cell Facility on an

Existing Utility Pole in the Public Right of Way

Date Submitted March 17, 2020

Review done by Richard Biagini

Sidewalk Material

Concrete Asphalt Other

Note: material to be replaced in kind (Concrete in full panels)

Sidewalk Vaults present Y N

Work on Street under a Paving Moratorium Y N

Is this location within the Flood Plain? Y N

Are ADA requirements being met? Y N

Comments

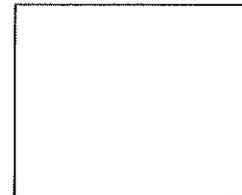
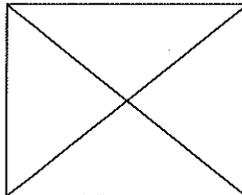
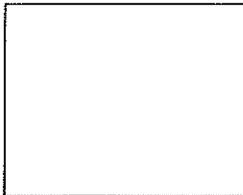
1. Contractor shall notify abutters at least 72 hours prior to beginning work.

Outcome of Review

Approved

Approved With  
Comments

Denied



John Gleason, Interim City  
Engineer

*[Handwritten Signature]*

# brownrudnick

Edward D. Pare, Jr., Esq.  
direct dial: 401-276-2839  
epare@brownrudnick.com

February 3, 2020

City Council  
City of Lowell  
c/o City Clerk  
Lowell City Hall  
375 Merrimack Street  
1st Floor, Room 31  
Lowell, MA 01852

Christine Clancy, P.E.  
City Engineer  
City of Lowell  
Lowell City Hall  
375 Merrimack Street  
3rd Floor, Room 61  
Lowell, MA 01852

**RE: Application of New Cingular Wireless PCS, LLC (d/b/a AT&T) for a Grant of Location for a Wireless Small Cell Facility, Including Telecommunication Wires and Wireless Attachments and Appurtenances on an Existing Utility Pole in the Public Right of Way at the Following Location:**

**Pole #4 - Near 319 Market Street, Lowell, MA 01852**

Dear Honorable Members of the Lowell City Council:

As you may recall, we represent New Cingular Wireless PCS, LLC (d/b/a "AT&T") with respect to its deployment of small cell facilities in the City of Lowell and the Commonwealth of Massachusetts. AT&T is licensed by the Federal Communications Commission (the "FCC") to provide wireless communications services in the City of Lowell and throughout the Commonwealth of Massachusetts.

On behalf of AT&T and while reserving all rights, please accept this submission as an application for approval for a grant of location (the "Application") for one (1) small cell facility on an existing utility pole located in the public right of way near the above referenced address (the "Site"). The Application is filed pursuant to the federal Telecommunications Act of 1996 (the "Act"), the Declaratory Ruling and Third Report and Order 18-133 (the "Order") issued by the FCC in September 2018 [https://docs.fcc.gov/public/attachments/FCC-18-133A1\\_Rcd.pdf](https://docs.fcc.gov/public/attachments/FCC-18-133A1_Rcd.pdf) and Massachusetts General Laws Chapter 166, Sections 21, 22 and 25A for telecommunication wires and wireless attachments and appurtenances attached to utility poles.

AT&T has entered into a Pole Attachment Agreement with National Grid and we have included a letter of authorization from National Grid to AT&T to submit the Application. The



existing pole complies with and is in accordance with the Act, the Order and Massachusetts state law.

We have also provided a detailed set of drawings (the "Plans") and map for this small cell facility. Additionally, we have provided photographs of a similar small cell installation installed by AT&T and located at 8 General Street, Lawrence, Massachusetts for use as an example. Also enclosed, please find a generic small cell facility report demonstrating compliance with applicable emissions standards established by the FCC.

AT&T proposes this small cell facility in the City of Lowell to deal with the rapidly increasing demands on AT&T's wireless network. This small cell facility will work in conjunction with the existing macro sites installed on rooftops, towers and other structures in and around the City of Lowell. AT&T's radio frequency engineers targeted the proposed location due to the high traffic and data demands on AT&T's network in these areas. AT&T's existing macro cell sites are not providing adequate data capacity near the Site due to population, vehicular and foot traffic, multiple wireless devices in use and other contributing factors. This small cell facility will work to offload the demands on the macro sites and allow for increased data capacity and speed within the immediate vicinity of the Sites and near AT&T's existing macro sites.

This small cell facility will be installed using standard commercially accepted methods in accordance with all applicable federal, state and local laws, regulations and orders. As depicted on the Plans, this small cell installation on the existing utility pole will include: fiber optic cable(s); remote radios in a small equipment cabinet 39" in height by 23" wide by 15" deep (7.8 cubic feet in volume) mounted to the pole at least 12'9" above ground level; an unobtrusive pole top antenna measuring 25" long and 10" in diameter (1.132 cubic feet in volume); conduits and cable protectors; and, an electrical meter 8' above ground level with shutoff switch and grounding rod. The Plans also provide the proposed location, pole height, mounting height and equipment specifications.

#### The Telecommunications Act of 1996

Without the installation, AT&T would be unable to provide specifically established coverage and capacity objectives. The existing utility pole is located within the limited geographic area whereby AT&T's radio frequency engineers determined that a wireless facility is required. The Act imposes substantial restrictions affecting the standard for granting the requested relief. The Act provides that: no laws or actions by any local government or planning or zoning board may prohibit, or have the effect of prohibiting, the placement, construction, or modification of communications towers, antennas, or other wireless facilities in any particular geographic area, see 47 U.S.C. §332(c)(7)(B)(i); local government or planning or zoning boards may not unreasonably discriminate among providers of functionally equivalent services, see 47 U.S.C. §332(c)(7)(B)(i); health concerns may not be considered so long as the emissions comply with the applicable standards of the FCC, see 47 U.S.C. §332(c)(7)(B)(iv); and,



City Council  
City of Lowell  
February 3, 2020  
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decisions must be rendered within a reasonable period of time, see 47 U.S.C. §332(c)(7)(B)(ii) and the Order commonly referenced as the applicable “shot clocks”. The FCC shot clock in this instance is sixty (60) days from the date of submission of the Application.

We respectfully assert that AT&T's proposed small cell facility is reasonable and reasonably complies with the requirements of the City of Lowell in light of the Act, the Order and state law. AT&T is willing to work cooperatively with the City of Lowell with respect the deployment of its small cell facilities and we look forward to your feedback. For the convenience of the City Council, AT&T has provided a proposed Form of Order for your consideration.

If you have any questions, please don't hesitate to contact me. We look forward to presenting the Application at an upcoming meeting.

Sincerely,

BROWN RUDNICK LLP

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Edward D. Pare, Jr., Esq.

Enclosures: Plans  
Structural Report  
Letter of Authorization from National Grid  
Photograph of Existing Small Cell Facility  
Emissions Report



**ORDER FOR LOCATION FOR TELECOMMUNICATIONS WIRES AND WIRELESS ATTACHMENTS AND APPURTENANCES**

By the City Council

Of the City of Lowell, Massachusetts, \_\_\_\_\_, 2020

ORDERED:

That pursuant to the federal Telecommunication Act of 1996 and Massachusetts General Laws, Chapter 166, NEW CINGULAR WIRELESS PCS, LLC ("AT&T") is hereby granted a location for and permission to construct and maintain telecommunications wires and wireless attachments and appurtenances, including fiber optic cable(s), remote nodes and pole top antennas, to be attached to a National Grid utility pole, located upon, along and under the public ways within the City of Lowell, as substantially shown on the plans filed with said petition.

The forgoing permission is subject to the following condition: the telecommunications wires and wireless attachments and appurtenances shall be installed and operated in compliance with all applicable federal and state laws and regulations.

I hereby certify that the foregoing was adopted at a meeting of the City Council of the City of Lowell, Massachusetts, held on the \_\_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
City Clerk





DATE	DESCRIPTION	REV	DESIGNED BY
11/20/2018	PROPOSING	A	LWW
11/20/2018	CONSTRUCTION	B	LWW



USID: 282143  
 SITE ADDRESS:  
 319 MARKET STREET  
 LOWELL, MA 01862

PA LOCATION:  
 14942026

SITE NAME:  
 CRAN\_RCTB\_LWLL\_06

SHEET TITLE  
 GENERAL NOTES

SHEET NUMBER  
 GN-1

**TORQUE REQUIREMENTS**

- ALL RF CONNECTIONS, GROUNDING HARDWARE AND ANTENNA HARDWARE SHALL HAVE A TORQUE MARK INSTALLED IN A CONTINUOUS STRAIGHT LINE FROM BOTH SIDES OF THE CONNECTION.
- CONNECTION BOTH SIDES OF THE CONNECTOR.
- GROUNDING AND ANTENNA HARDWARE ON THE NUT SIDE STARTING FROM THE THREADS TO THE SOLID SURFACE. EXAMPLE OF SOLID SURFACE, GROUND BAR, ANTENNA BRACKET METAL.

**CABLE MOUNTING**

- TYPE AND SIZE OF THE ANTENNA CABLE ARE BASED ON ESTIMATED LENGTHS. PRIOR TO ORDERING CABLE, CONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY THE PROJECT MANAGER IF ACTUAL LENGTHS EXCEED ESTIMATED LENGTHS.
- GENERAL CONTRACTOR SHALL BE REQUIRED TO THE DESIGNED SUPPORT STRUCTURE, IN AN APPROVED MANNER AT DISTANCES NOT TO EXCEED 42" OC.
- GENERAL CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAXIAL CABLES, CONDUCTOR ANTENNAS, AND ALL OTHER EQUIPMENT, INCLUDING ANTENNAS, RET CONNECTORS, COAX CABLES, AND RET CONTROL CABLES AS A COMPLETE SYSTEM, MOTORS, TUNES, COAX CABLES, AND RET CONTROL CABLES AS A COMPLETE SYSTEM, GROUNDING SHALL BE EXECUTED BY QUALIFIED WIREMEN IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATION AND RECOMMENDATION.

**GENERAL CABLE AND EQUIPMENT NOTES**

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ANTENNA, AND COAX CONFIGURATION, MAKE AND MODELS PRIOR TO INSTALLATION.
- ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.
- GENERAL CONTRACTOR SHALL REFERENCE THE POLE STRUCTURAL ANALYSIS DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.
- ALL OUTDOOR RF CONNECTOR CONNECTIONS SHALL BE WEATHERPROOFED, EXCEPT THE RET CONNECTORS, USING BUTYL TAPE AFTER INSTALLATION AND FINAL CONNECTIONS SHALL BE SMOOTH WITHOUT BUCLING. BUTYL BLEEDING IS NOT ALLOWED.
- IF REQUIRED TO PAINT ANTENNAS AND/OR COAX:  
 A. TEMPERATURE SHALL BE ABOVE 50° F BY BUILDING OWNER/LANDLORD.  
 B. FOR PAINTED TOWERS, PAINT/GRAD APPROVED PAINT IS REQUIRED.  
 C. DO NOT PAINT OVER COLOR CODING OR ON EQUIPMENT MODEL NUMBERS.  
 D. ALL CABLES SHALL BE GROUNDING WITH COAXIAL CABLE GROUND KITS. FOLLOW THE MANUFACTURER'S INSTRUCTIONS.  
 E. GROUNDING AT THE ANTENNA LEVEL.  
 F. GROUNDING AT BASE OF POLE PRIOR TO TURNING HORIZONTAL.

**GROUNDING NOTES**

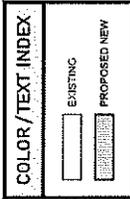
- THE GENERAL CONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AUI). THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL GROUNDING CONNECTIONS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND POWER) SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC. BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE GENERAL CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING PER IEEE 1190 AND 81 FOR NEW GROUND ELECTRODE SYSTEMS. THE TESTING SHALL BE PERFORMED BY A QUALIFIED PERSONNEL. THE TESTING SHALL BE REPEATED AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUNDING CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER EACH BITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS 2 AWG STRANDED COPPER FOR OUTDOOR BTS. WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE. APPROVED ANTI-OXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED FOR ALUMINUM CONDUCTOR OR COPPER CLAD STEEL. CONDUCTOR SHALL NOT BE USED FOR WELDED JOINTS OR ELECTRICAL METAL BOXES, FRAMES AND WELDLING JOINTS.
- SUPPORTS SHALL BE BONDED TO THE GROUND ROD, IN ACCORDANCE WITH THE NEC. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

**GENERAL CONSTRUCTION**

- GENERAL CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- ALL MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 90 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY. WITH FLOWABLE FILL OR OTHER MATERIAL, RE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DEPOSED OF IN A LAWFUL MANNER.
- ALL NECESSARY OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND SPECIFICATIONS SHALL BE FURNISHED TO THE CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- GENERAL CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REVISIONS TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- THE PROPOSED FACILITY SHALL BE DRAINAGE FREE AND PORTABLE WATER OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
- ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING WIRELESS SITES' AND TECHNICAL SPECIFICATION FOR FACILITY GROUNDING. IN CASE OF A CONFLICT BETWEEN THE GENERAL CONTRACTOR'S AND AT&T'S SPECIFICATIONS, THE AT&T SPECIFICATIONS SHALL PREVAIL. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF GENERAL CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE CONTRACTOR IMMEDIATELY.
- GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION. ALL MATERIALS AND EQUIPMENT SHALL BE IDENTIFIED BY THE CONTRACTOR. THE LIGHTS ARE PERMITTED, LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.

**ANTENNA MOUNTING**

- DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANSITM-222 OR APPLICABLE LOCAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (ZINC-ROT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS. UNLESS NOTED OTHERWISE, GALVANIZED HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 (ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE). UNLESS NOTED OTHERWISE.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A790.
- INSTALL WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER'S RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND GROUNDING.
- GENERAL CONTRACTOR SHALL ENSURE THAT ALL ANTENNAS SHALL BE TERMINATED WITH A 50-OHM LOAD TO ENSURE MAXIMUM PERFORMANCE. GENERAL CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND POSITION OF EACH ANTENNA INSTALLED AT THE ANTENNAS AND PROVIDE THE INFORMATION TO AT&T.



**NOTE**  
 GENERAL NOTES APPLY IN APPLICABLE SITUATIONS ONLY

**GENERAL CONSTRUCTION**

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
 • CONTRACTOR - AT&T WIRELESS  
 • GENERAL CONTRACTOR - TBD
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T SPECIFICATIONS PROJECT.
- CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMPLISHING AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM UNLESS OTHERWISE NOTED. THERE ARE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR REVIEW BY THE ENGINEER PRIOR TO PROCEEDING.
- ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT, WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER TRADES.
- REVISIONS SHALL BE DONE IN A WORKMANLIKE MANNER BY THE BEST EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE ACCEPTED PRACTICES. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. NEW WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL WORK CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE GENERAL CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, UTILITIES, AND OTHER EXISTING UTILITIES. ANY DAMAGED PARTS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES.
- THE GENERAL CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A MINIMUM OF 2 A-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHALL BE EXERCISED BY THE CONTRACTOR TO PROTECT EXISTING OR EXHALLING PIPES AROUND OR NEAR UTILITIES. REPAIRS TO EXISTING UTILITIES SHALL BE MADE IN ACCORDANCE WITH THE LOCAL JURISDICTION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO AIPAL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHICH ARE NOT TO BE REMOVED SHALL BE PROTECTED AND SHALL BE IDENTIFIED BY THE ENGINEER. UNLESS OTHERWISE DISCONNECTED AT POINTS WHICH WILL INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE POLE, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO THE NEXT ELEVATION.

**GENERAL CONSTRUCTION**

- GENERAL CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
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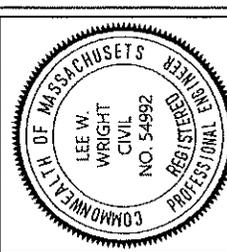






DATE	DESCRIPTION	REV	ISSUED BY

DRAWN BY: AAK  
 CHECKED BY: JDM  
 APPROVED BY: LWW



USD: 2822143

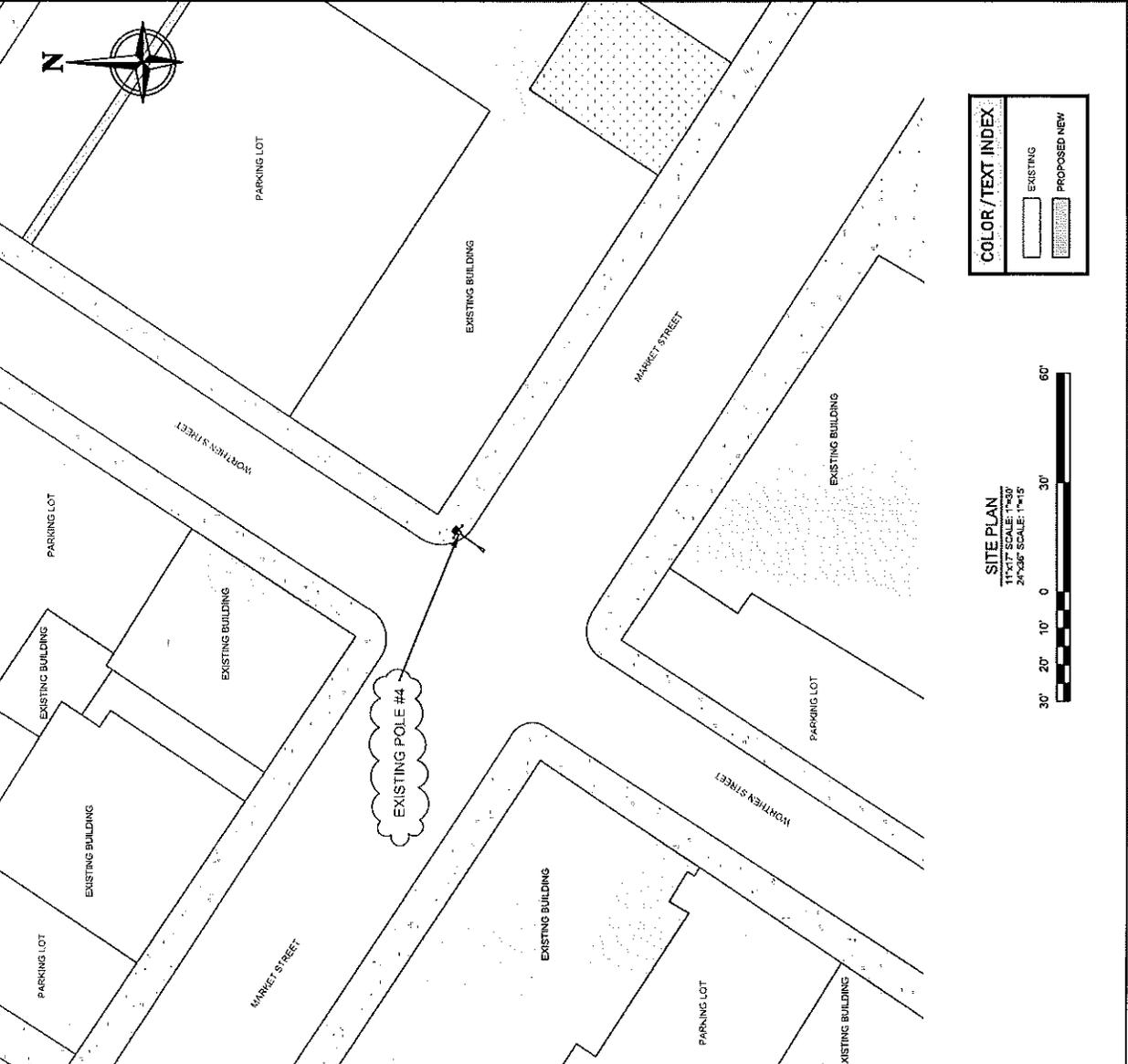
SITE ADDRESS:  
319 MARKET STREET  
LOWELL, MA 01852

FA LOCATION:  
14942026

SITE NAME:  
CRAN\_RCTB\_LWLL\_06

SHEET TITLE:  
SITE PLAN

SHEET NUMBER:  
C-1



**NOTE**

SITE PLAN INFORMATION CONTAINED HEREIN IS TAKEN FROM THE DOCUMENTS PROVIDED BY THE CLIENT AND IS NOT GUARANTEED AS TO THE ACCURACY OR THE COMPLETENESS OF THE CORPDED SURVEY/SITE PLAN INFORMATION.

**SITE NOTES**

- GC RESPONSIBLE FOR SUBMITTING A 48 HOUR NOTICE PRIOR TO MOBILIZATION TO THE SITE.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO CONSTRUCTION START TO REVIEW SCOPE OF WORK AND EXPECTATIONS.
  - A RIGGING PLAN MAY BE REQUIRED AND SHALL BE SUBMITTED WITH THE 48 HOUR
  - GC RESPONSIBLE FOR ENSURING THE SAFETY CLIMB IS NOT TRAPPED OR OTHERWISE OBSTRUCTED WITH REASONABLE BUILDING PRACTICES.
- GC RESPONSIBLE FOR COORDINATING DAILY LOG-IN AND LOG-OUT WITH THE POLE OWNER, WHERE APPLICABLE.
- GC WILL BE RESPONSIBLE FOR THE OWNER CLOSEOUT PACKAGE WITH REDLINES OF THE COE OF THE EQUIPMENT INSTALLED TO BE SUBMITTED WITHIN 7 DAYS OF CONSTRUCTION COMPLETE.

